Zero Product TRUTH

When a product equals zero, then one of the factors must also equal zero.

If $a \cdot b = 0$

Then either $a = 0$ **or** $b = 0$

Zero Product WAY

Solve using the Zero Product Property.

1) $7x = 0$

2) $5(x - 3) = 0$

3) $x(x + 8) = 0$

Zero Product WAY

Solve using the Zero Product Property.

4) $(x-9)(3x-12)=0$

5) $(3x+2)(4x-8)=0$

6) $4x(-3x-6)(6x-1)=0$

Zero Product WAY

Factor Completely and Solve.

7) $x^2 - 5x + 6 = 0$

8) $2x^3 - 22x^2 + 48x = 0$

9) $x^2 - 3x = 0$

Zero Product WAY

Factor Completely and Solve.

10) $2x^2 + 11x = -5$

11) $6x^2 - 2x = 8$

12) $-3x^2 + 14x + 7 = 6x + 11$